

Fraser Brooks

M.Sci Computer Science Graduate

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GitHub: frabrooks

Education

- **University of Birmingham** Birmingham, UK
M.Sci Computer Science (1st class, 4.0 GPA) 2021
- **Strode College, Street** Somerset, UK
A-Level Maths (A), Software Engineering Extended Diploma (D*D*D*) 2016

Projects / Technical Experience

Java, Haskell, Python, C++ Object-Oriented and Functional Programming git & Version Control
Machine Learning Frameworks SQL & Relational and Non-Relational DBMS' Neural Networks
Unit Testing Frameworks Continuous Integration & Deployment L^AT_EX (LaTeX)
Web Design & Graphic Design HTML5/CSS/JavaScript AWS

- Submitted and merged a patch into a large scale open-source software project — the Haskell master branch. Specifically a bugfix, with integration test, for the cabal-install build automation & package management tool.
- Years of experience with Java & Object Oriented Programming through writting a messaging system, a multiplayer game that was hosted on an AWS EC2 instnace, as well as several andriod apps.
- Python experience via some simple games written with the PyGame library and a machine learning project.
- Designed a portfolio site/blog using a Haskell site generator, HTML5, SCSS, & JavaScript, with automatic compilation & delivery of posts to the site from .latex or .md files. Live at fraserbrooks.io via AWS amplify.

Work Experience

University of Birmingham, School of Comp. Sci. - Lab Demonstrator . . . 2019-20

Worked as a demonstrator assisting lecturers with teaching duties in the databases (2018-19) and functional programming (2019-20) courses; guiding lower year students through the course material during lab sessions.

Specsavers - Optical Assistant 2016

Duties included customer service, conducting simple eye tests, and coordinating with colleagues to meet sales targets. Learnt a lot about talking and selling to customers.

Samsung - Sales Consultant 2015

Consistently met sales targets via negotiating with management to gain incremental sales opportunities.

University of Birmingham, Jiu-Jitsu Club - Secretary then Captain 2019-21

Elected secretary then captain of the university Jiu-Jitsu club. Responsibilities across these two years included risk assessments, overseeing recruitment, budget, and our social media strategy, and organising and encouraging our club's participation in several national competitions; as well as competing myself.